

ABSTRACT OF THE DISCLOSURE

A method optimizes electromagnetic energy in a system for processing an image of an object in order to perform a procedure on an object. A plurality of light beams formed of incoherent light is applied to an object at a plurality of differing frequencies and reflected from the object to provide a plurality of reflected light beams. A corresponding plurality of electrical signals is provided accordingly and a corresponding plurality of image quality metrics is determined. A corresponding plurality of images is determined in accordance with the plurality of image quality metrics and an image is selected according to a predetermined image criterion to provide a selected image. A frequency is determined according to the selected image and the procedure is performed on an object according to the determined frequency.